

PREFACE

This manual is an electrical reference text for the marine engineering field. It provides information for the 88L10, 88L20, 88L30, 88L40, 881A1, and 881A2 military occupational specialties (MOSSs).

This text reinforces good marine electrical practices. A good knowledge of marine electricity helps maintain the health and welfare of the crew by promoting the safe operation of the many electrical systems on board a vessel.

This manual covers marine electrical safety and alternating current (AC) and direct current (DC) fundamentals. It details the vessel distribution system as well as circuit protection and the electrical motor load. This information corresponds with the program of instruction presented to the marine engineering students at Fort Eustis.

The marine engineer must understand the entire production, distribution, and user end of the electrical process. He will be required to maintain and overhaul all the electrical apparatus for safely operating the vessel.

The proponent of this publication is the US Army Transportation School. Submit changes for improving this publication on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to Commandant, US Army Transportation School, ATSP-TDL, Fort Eustis, VA 23604-5001.

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Unless this publication states otherwise, masculine nouns and pronouns do not refer exclusively to men.